

Recovery Plan Action Status

Plan Name: Recovery Plan for Five Plants from Monterey County, California

Plan Status: Final

Plan Date: 17-Jun-05

Lead Agency: USFWS

Lead Office: Ventura Fish And Wildlife Office

(805)
644-1766)

Species	Action Priority #	Action #	Action Description	Action Status	Est. Initiation Date	Est. Completion Date	Responsible Parties	Work Type	Labor Type	Action Comments
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.1	Inform landowners	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.2	Consult and coordinate with agencies involved with recovery activities	Not Started			California Department of Parks and Recreation, Monterey County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	1.3.2	Establish protection agreements and secure habitat sites with permission of the landowners: Open space and conservation easements	Not Started			City governments, Los Angeles County, California, San Diego County, California, Monterey County, California, San Mateo County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	

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Monterey clover (Trifolium trichocalyx)	1	1.4.4	Protect habitat for Trifolium trichocalyx	Ongoing Current	FY 2000 - FY 2004		Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	3.1.1	Develop species management guidelines through working group	Not Started			California Department of Parks and Recreation, City governments, Los Angeles County, California, San Diego County, California, Monterey County, California, San Mateo County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (Potentilla hickmanii), Coastal dunes milk-vetch (Astragalus tener var. titi), Gowen cypress (Cupressus goveniana ssp. goveniana), Monterey clover (Trifolium trichocalyx), Yadon's piperia (Piperia yadonii)	1	3.1.2	Implement species management guidelines	Not Started			To be determined	Work type not yet selected	Labor type not yet selected	

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Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	2	4.1	Develop predictive models using Geographic Information Systems (GIS) to identify potentially suitable habitat	Not Started			To be determined	Work type not yet selected	Labor type not yet selected	
Monterey clover (<i>Trifolium trichocalyx</i>)	2	4.2.4	Survey <i>Trifolium trichocalyx</i> habitat	Ongoing Not Current	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, To be determined	Work type not yet selected	Labor type not yet selected	Appears after fire. Persists as seedbank. Difficult to determine range and population size. Some population/distribution info from surveys after fires. Still need better survey method.
Monterey clover (<i>Trifolium trichocalyx</i>)	2	4.3.3	Reintroduce/establish <i>Trifolium trichocalyx</i>	Not Started			U.S. Fish and Wildlife Service, To be determined	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (<i>Potentilla hickmanii</i>), Monterey clover (<i>Trifolium trichocalyx</i>)	3	5.1.6	Monitor populations of <i>Trifolium trichocalyx</i>	Not Started			Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	3	5.2.1	Evaluate effectiveness of methods used to reduce threats	Not Started			U.S. Fish and Wildlife Service, California Department of Fish and Game	Work type not yet selected	Labor type not yet selected	possible additional funds

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Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	2	5.3	Establish an ex situ seed bank for seed representing each of the populations of the five listed plants	Partially Complete	FY 2009		Rancho Santa Ana Botanic Garden, Pebble Beach Company	Work type not yet selected	Labor type not yet selected	
Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	3	6	Coordinate recovery actions to benefit other listed species and species of concern	Not Started			California Department of Parks and Recreation, City governments, Monterey County, California, Pebble Beach Company, Del Monte Forest Foundation, U.S. Fish and Wildlife Service, California Department of Fish and Game, Private landowners, Non-governmental organizations	Work type not yet selected	Labor type not yet selected	Please see individual recovery plans for species of interest.

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Hickman's potentilla (<i>Potentilla hickmanii</i>), Coastal dunes milk-vetch (<i>Astragalus tener</i> var. <i>titi</i>), Gowen cypress (<i>Cupressus goveniana</i> ssp. <i>goveniana</i>), Monterey clover (<i>Trifolium trichocalyx</i>), Yadon's piperia (<i>Piperia yadonii</i>)	3	7.2	Provide species information to the public through outreach programs	Ongoing Current	FY 2006		U.S. Fish and Wildlife Service, California Department of Fish and Game, To be determined	Work type not yet selected	Labor type not yet selected	Elkhorn Slough's Coastal Training Program held 1-day workshop on this species Jan 05 for public and pvt entities (DMS, VFWO, 2005)